

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7: G10L19/14 H04Q7/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G10L H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 03391 A (GRAF LESLIE ;HOLLIS MARK (AU); GROVES CHRISTIAN (AU); NOGUERA RODR) 11 January 2001 (2001-01-11)	
A	EP 0 492 459 A (SIP) 1 July 1992 (1992-07-01)	
A	WO 01 78430 A (NOKIA NETWORKS OY ;KEKKI SAMI (FI)) 18 October 2001 (2001-10-18)	
A	WO 02 03601 A (ROTO LA PUKKILA JANI ;MIKKOLA HANNU (FI); NOKIA CORP (FI); VAINIO J) 10 January 2002 (2002-01-10)	
X,P	US 2003/012137 A1 (ABDELILAH YOUSSEF ET AL) 16 January 2003 (2003-01-16) page 4, paragraph 35	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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Date of the actual completion of the international search

21 October 2003

Date of mailing of the international search report

29/10/2003

Name and mailing address of the ISA

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0103391	A	11-01-2001	WO 0103391 A1	11-01-2001
			AU 5663100 A	22-01-2001
EP 0492459	A	01-07-1992	IT 1241358 B	10-01-1994
			AT 153470 T	15-06-1997
			CA 2057384 A1	21-06-1992
			DE 69126195 D1	26-06-1997
			DE 69126195 T2	06-11-1997
			DE 492459 T1	09-06-1993
			EP 0492459 A2	01-07-1992
			ES 2038106 T1	16-07-1993
			GR 93300034 T1	07-06-1993
			GR 3024475 T3	28-11-1997
			JP 2832871 B2	09-12-1998
			JP 7028495 A	31-01-1995
			US 5469527 A	21-11-1995
			US 5353373 A	04-10-1994
WO 0178430	A	18-10-2001	WO 0178430 A1	18-10-2001
			AU 4400000 A	23-10-2001
			EP 1275261 A1	15-01-2003
WO 0203601	A	10-01-2002	FI 20001577 A	31-12-2001
			AU 6760201 A	14-01-2002
			EP 1299970 A1	09-04-2003
			WO 0203601 A1	10-01-2002
US 2003012137	A1	16-01-2003	NONE	